

PATNO IS 5642985

09/343,736  
Sept search  
VERDIER  
3745

DATE: SEPTEMBER 3, 1999  
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09/343,736-033000

LEVEL 1 - 1 PATENT

1. 5,642,985, Jul. 1, 1997, Swept turbomachinery blade, Spear, David A., Manchester, Connecticut Biederman, Bruce P., Meriden, Connecticut Orosa, John A., Palm Beach Gardens, Florida, United Technologies Corporation, Hartford, Connecticut (02)

CORE TERMS: shock, blade, airfoil, radius, endwall, tip, radially, swept, transition, sweep...

003473E-003090

5,642,985

<=2> GET 1st DRAWING SHEET OF 7

Jul. 1, 1997

Swept turbomachinery blade

REISSUE: Reissue Application filed Jun. 30, 1999 (O.G. Aug. 24, 1999) Ex. Gp.:  
3745; Re. S.N. 09/343,736

CORE TERMS: shock, blade, airfoil, radius, endwall, tip, radially, swept, transition, sweep...

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SS 1 RESULT (1)

SS 2?

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-1- (LEGSTAT)

PATENT NUMBER

DOCUMENT TYPE

ACTION

US 5642985 [US5642985]

US-P

95.11.17 US/AE-A

APPLICATION DATA (PATENT)

{US 559965/95 [95US-559965] 95.11.17}

ACTION

95.11.17 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

UNITED TECHNOLOGIES CORPORATION 1 FINANCIAL PLAZA

HARTFORD, CONNECTICUT 60191 \* SPEAR, DAVID A. :

19951018; BIEDERMAN, BRUCE P. : 19951109; OROSA, JOHN

A. : 19951102

ACTION

97.07.01 US/A

PATENT

UPDATE

9920

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*no citations for '985 in LITALERT*

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12	2	US5642977/PN
13	1	US5642985/PN
14	1	US5642989/PN
15	1	US5643042/PN

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sel 13

SS 1 RESULT (1)

SS 2?  
prt full ind

-1- (PAST)  
ACCESSION NUMBER  
PATENT NUMBER

9934-001367  
US5642985

A (UTILITY)  
99.08.24  
REA  
REISSUE APPLICATION FILED  
REISSUE APPLICATION FILED

File 345:Inpadoc/Fam.& Legal Stat 1999/UD=9934  
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Set	Items	Description
S1	1	PN=US 5642985

1/9/1  
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
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13640615  
Basic Patent (No,Kind,Date): EP 774567 A1 970521 <No. of Patents: 003>

PATENT FAMILY:

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 774567 A1 970521  
SWEPT TURBOMACHINERY BLADE (English; French; German)  
Patent Assignee: UNITED TECHNOLOGIES CORP (US)  
Author (Inventor): SPEAR DAVID A (US); BIEDERMAN BRUCE P (US); OROSA  
JOHN A (US)  
Priority (No,Kind,Date): US 559965 A 951117  
Applic (No,Kind,Date): EP 96308303 A 961115  
Designated States: (National) DE; FR; GB  
IPC: \* F01D-005/14; F04D-029/38  
Derwent WPI Acc No: \* G 97-274383; G 97-274383  
Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 774567	P	951117	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			US 559965 A	951117
EP 774567	P	961115	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 96308303 A	961115
EP 774567	P	970521	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
			DE FR GB	
EP 774567	P	970521	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 774567	P	970903	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			970705	
EP 774567	P	981111	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
			980924	

JAPAN (JP)

Patent (No,Kind,Date): JP 9184451 A2 970715  
TURBO MACHINE BLADE (English)  
Patent Assignee: UNITED TECHNOLOGIES CORP  
Author (Inventor): DEIBITSUDO EI SUPIA; BURUUSU PII BIIDAAMAN; JIYON  
EI OROOSA  
Priority (No,Kind,Date): US 559965 A 951117  
Applic (No,Kind,Date): JP 96301416 A 961113  
IPC: \* F02K-003/06; F01D-005/14  
Derwent WPI Acc No: \* G 97-274383  
Language of Document: Japanese



UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5642985 A 970701

SWEPT TURBOMACHINERY BLADE (English)

Patent Assignee: UNITED TECHNOLOGIES CORP (US)

Author (Inventor): SPEAR DAVID A (US); BIEDERMAN BRUCE P (US); OROSA JOHN A (US)

Priority (No,Kind,Date): US 559965 A 951117

Applic (No,Kind,Date): US 559965 A 951117

National Class: \* 416238000; 415181000; 416242000

IPC: \* F01D-005/14

Derwent WPI Acc No: \* G 97-274383

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No, Type, Date, Code, Text):

US 5642985 P 951117 US AE APPLICATION DATA (PATENT)  
(APPL. DATA (PATENT))

US 559965 A 951117

US 5642985      P    951117    US AS02      ASSIGNMENT OF ASSIGNOR'S  
INTEREST

UNITED TECHNOLOGIES CORPORATION 1 FINANCIAL  
PLAZA HARTFORD, CONNECTICUT 60191 ; SPEAR,  
DAVID A. : 19951018; BIEDERMAN, BRUCE P. :  
19951109; OROSA, JOHN A. : 19951102

US 5642985 P 970701 US A PATENT

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